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UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
100 East 'B' Street - Room 3124
Casper, WY 82601

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, $300

Wyoming
Water Supply Outlook

and

Federal - State - Private
Cooperative Snow Surveys

SOIL CONSERVATION SERVICE

United States
Department of
Agriculture

Soil
Conservation
Service

Casper,
Wyoming

Wyoming Water Supply Outlook Jan. 1, 1985

FOREWORD

HOW FORECASTS ARE MADE

Most of the annual streamflow in the Western United States originates as snowfall. This snowfall accumulates high in the mountains during winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Predictions are based on careful measurements of snow water equivalent at selected index points. Precipitation, temperature, soil moisture, and antecedent streamflow data are viewed in conjunction with snowpack data to prepare runoff forecasts. This report presents a comprehensive picture of water supply outlook conditions for areas dependent upon surface runoff. It includes selected streamflow forecasts, summarized snowpack and precipitation data, reservoir storage data, and narratives describing current conditions.

Streamflow forecasts are cooperatively generated by Soil Conservation Service and National Weather Service hydrologists. Forecasts become more accurate as more data affecting runoff becomes known. For this reason forecasts are issued that reflect three future precipitation conditions - Below Normal, Average, and Above Normal. These forecasts are termed reasonable minimum, most probable, and reasonable maximum. Actual streamflow can be expected to fall between the lower and upper forecast values eight out of ten years.

Snowpack data are obtained by using a combination of manual and automated measurement methods. Manual readings of snow depth and water equivalent are taken at locations called snow courses on a monthly or semi-monthly schedule during the winter. In addition, snow water equivalent, precipitation, temperature, and other parameters are monitored on a daily basis and transmitted via radio telemetry to central data collection facilities. Both monthly and daily data are used to project snowmelt runoff.

FOR MORE INFORMATION

Copies of Monthly Water Supply Outlook Reports and other reports may be obtained from the states listed below. Because of the limited space, snow survey measurements are not published in monthly reports. An annual snow survey data summary is published by the Soil Conservation Service for each of the western states. Historical snow survey data may be obtained at those same offices.

STATE	ADDRESS
Alaska	Room 129,2221 East Northern Lights Blvd.,Anchorage AK 99504
Arizona	Room 3008,Federal Bldg., 230 North First Ave., Phoenix AZ 85025
Colorado (New Mexico)	2490 West 26th Ave.,Denver CO 80211
Idaho	304 North 8th Street,Room 443,Boise ID 83702
Montana	10 East Babcock,Room 443,Federal Building,Bozeman MT 59715
Nevada	50 South Virginia Street,Third Floor,Reno NV 89505
Oregon	1220 Southwest 3rd Ave.,16th Floor,Portland OR 97204
Utah	4418 Federal Bldg.,125 South State St.,Salt Lake City UT 84147
Washington	360 U.S. Court House,Spokane WA 99201
Wyoming	Federal Bldg.,Room 3124,100 East 'B' St.,Casper WY 82601

In addition to state reports, a Water Supply Outlook Report for the Western United States is published by the Soil Conservation Service and National Weather Service monthly, January through May. Reports may be obtained from the Soil Conservation Service, West National Technical Center, 511 Northwest Broadway, Room 514, Portland, OR 97209.

Published by other agencies:

Water Supply Outlook Reports prepared by other agencies include - Snow Survey Branch, California Department of Water Resources, P.O. Box 388, Sacramento, CA 95802; British Columbia - The Ministry of Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia, V8V 1X5; Yukon Territory - Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory, Y1A 3V1, Alberta, Saskatchewan, and N.W.T. - The Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta, T3C 1A6.

Wyoming
Water Supply Outlook

AND

FEDERAL - STATE - PRIVATE
COOPERATIVE SNOW SURVEYS

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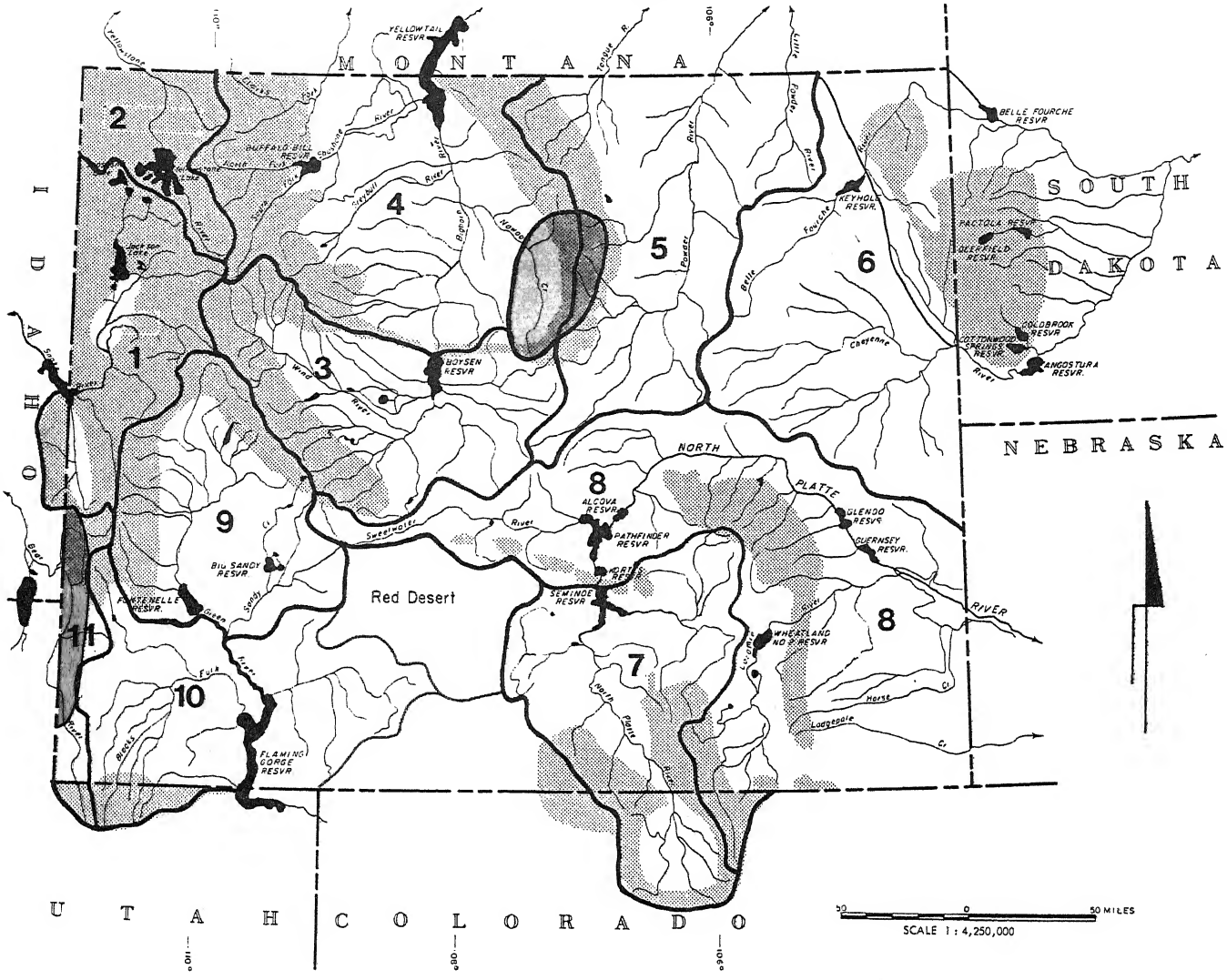
STREAMFLOW PROSPECTS FOR WYOMING

Spring and Summer Period

Jan. 1, 1985



LEGEND

1. Snake River Basin
2. Upper Yellowstone and Madison River Basins
3. Wind River Basin
4. Bighorn River Basin
5. Powder and Tongue River Basins
6. Belle Fourche and Cheyenne River Basins
7. Upper North Platte and Little Snake River Basins
8. Lower North Platte, Sweetwater, and Laramie River Basins
9. Upper Green River Basin
10. Lower Green River Basin
11. Upper Bear River Basin

>130%	Much Above Average
110%-130%	Above Average
90%-110%	Near Average
70%-90%	Below Average
<70%	Much Below Average
	Not Forecast

GENERAL OUTLOOK

STREAMFLOW ARE EXPECTED TO BE GOOD OVER MOST OF WYOMING THIS SPRING AND SUMMER. SNOWPACKS RANGED FROM A HIGH OF 50% ABOVE NORMAL IN NORTHWESTERN AND SOUTHWESTERN AREAS TO A 40% BELOW NORMAL ALONG THE EASTERN SLOPES OF THE BIG HORN MOUNTAINS.

SNOWPACK:

Upper Snake and Bear Rivers are 50% above normal. The North Platte snowpacks are also above normal by 13%. The Green River is near normal. The dry spot at this early point in this annual snowpack buildup is along the Big Horn Mountains. Western slopes are 10 to 20% below normal and the eastern slope reports snowpacks as low as 40% below normal.

PRECIPITATION:

December precipitation was much below normal in many areas. The Wind River (Central) and Green and Bear (Southwest) drainages reported amounts less than 0.20 inches. However, the extreme Northeastern corner had amounts 25 to 50% above normal. Other areas were 50% to near normal.

Since the beginning of the 1985 Water Year (October 1, 1984) precipitation in the lower elevations has been below normal over most of the state. Each of the past three months have shown similar patterns. The Wind, Big Horn, Green, and Bear drainages remained extremely dry. Satellite photos even show little snow cover in the central and east, but cooler temperatures have kept snow cover over the mountain ranges. Precipitation in other areas ranged from slightly below to near normal for the season.

RESERVOIRS:

Stored waters are 18% higher than usual in reservoirs across the state. Pathfinder Reservoir is highest at 74% above normal. This is offset, however, by Jackson Lake currently storing only 47% of usual, partly because of the restricted capacity during investigation and repair.

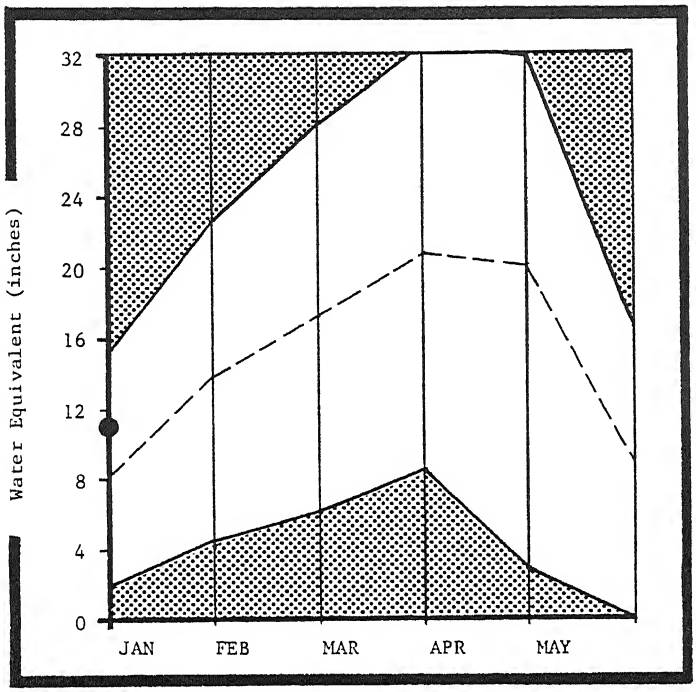
STREAMFLOW:

Forecasted streamflow amounts for this summer are generally close to normal based on January 1st snow reports. Exceptions are noted on the Snake with inflow to Palisades forecasted 25% above normal. The Upper Bear River will flow at similar high levels. The Green, Wind, North Platte, and Big Horn systems are expected to be near normal, with lowest flows from Big Horn Mountain Range.

These forecasts are dependent upon average snowfall accumulations for the remaining portion of the snow season. The forecasts in this bulletin are a result of coordinated activity between the Soil Conservation Service and National Weather Service in an effort to provide the best possible service to the water user.

SNAKE RIVER BASIN

MOUNTAIN SNOWPACK*



*Based on selected stations

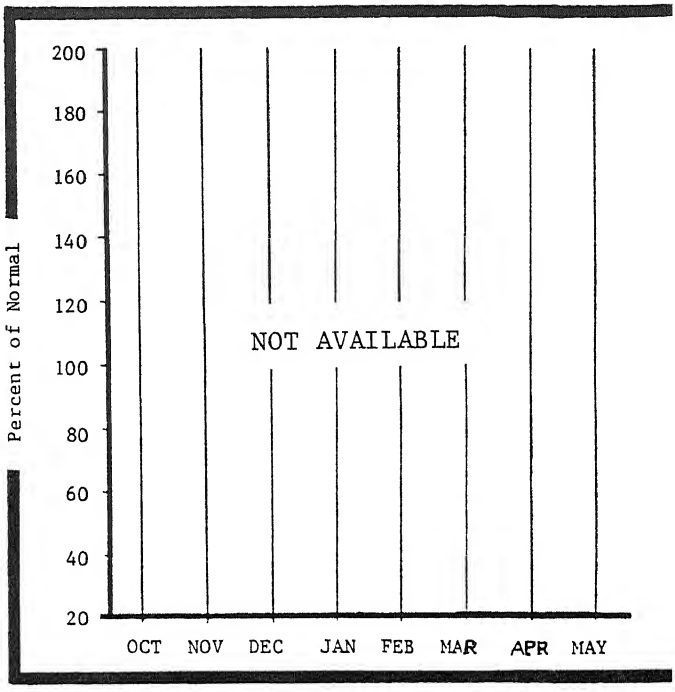
Maximum

Minimum

Average

Current

PRECIPITATION*



*Based on selected stations

Monthly precipitation

Year to date precipitation

WATER SUPPLY OUTLOOK:

Excellent streamflows are expected this summer based on current snow conditions that are about one-third above normal on this date. Snowpack above Jackson Lake is highest at 50% above normal. Reservoir storage is normal to above except for Jackson Lake at 47% capacity due partly to storage restrictions.

SNAKE RIVER BASIN

STREAMFLOW FORECASTS

	THIS YEAR Forecast 1,000 Ac-Ft.	Pct. Ave.	Streamflow Forecast Period	PAST RECORD 1,000 Acre-Feet Last Yr.xx	Average +
SNAKE RIVER near Moran (1)	1,120	127	April-Sept.		880
SNAKE RIVER above Palisades near Alpine (1)	3,444	126	April_Sept.		2,730
SNAKE RIVER at Heise, ID (2)	4,880	120	April_Sept.		4,066
PACIFIC CREEK at Moran	192	110	April-Sept.		174
GREYS RIVER above Palisades	440	112	April-Sept.		393
SALT RIVER above Palisades near Etna	445	113	April-Sept.		394
PALISADES RESERVOIR INFLOW (1)	4,710	124	April-Sept.		3,793
SWIFT CREEK near Afton	49.1	105	May-Sept.		46

(1) Observed flow plus change in storage in Jasckson Lake.
(2) Observed flow plus change in storage in Jasckson Lake and Palisades Reservoir.
xx Measured flows for last year are U.S.G.S. provisional figures, subject to revision.
\+ Period of average 1961-1980.

SUMMARY of SNOW MEASUREMENTS

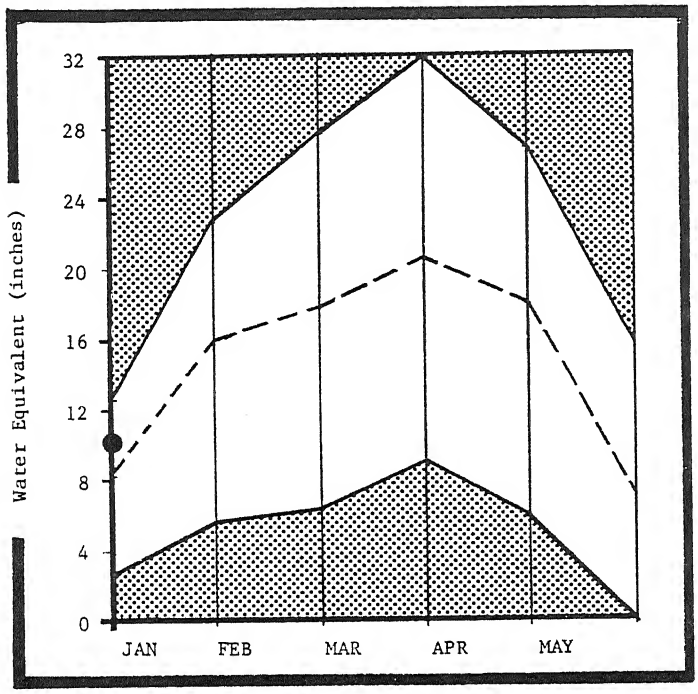
River Basin and/or Sub-Watershed	No. Snow Site	This Yr. Snow Water as Pct of Last Yr	Average
by. Jackson Lake	8	119	150
Creek	2	103	121
	2	82	99
	1	91	107
	1	71	132
Salt River	4	75	128
Snake River above Palisades	17	104	136

RESERVOIR STORAGE (Thousand Ac. Ft.)

Reservoir	Usable Capacity	Usable Storage This Year	Last Year	Ave.
Grassy Lake	15.1	12.9	13.8	10.1
Jackson Lake	624.4	281.3	497.1	600.0
Palisades	1,200.0	1063.0	1101.3	1099.0

UPPER YELLOWSTONE AND MADISON RIVER BASINS

MOUNTAIN SNOWPACK*



*Based on selected stations

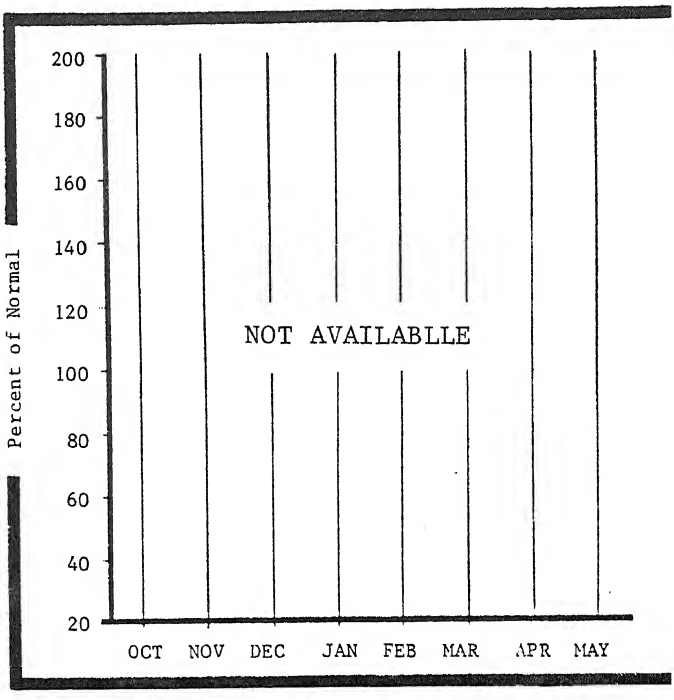
Maximum

Minimum

Average

Current

PRECIPITATION*



*Based on selected stations

Monthly precipitation

Year to date precipitation

WATER SUPPLY OUTLOOK:

Snowpacks are 29 and 20% above normal respectively in these Basins. Streamflow predictions are above normal. Good streamflows will occur next spring and summer with average snow accumulation continuing for the rest of the season.

YELLOWSTONE-MADISON RIVER BASIN

STREAMFLOW FORECASTS

	THIS YEAR Forecast		Streamflow Forecast	PAST RECORD 1,000 Acre-Feet	
	1,000 Ac-Ft.	Pct. Ave.	Period	Last Yr.xx	Average +
YELLOWSTONE RIVER at Yellowstone Lake Outlet	880	107	April-Sept.		826
YELLOWSTONE RIVER at Corwin Springs, MT . .	2,230	110	April-Sept.		2,027

xx Measured flows for last year are U.S.G.S. provisional figures, subject to revision.
\+ Period of average 1961-1980.

SUMMARY of SNOW MEASUREMENTS

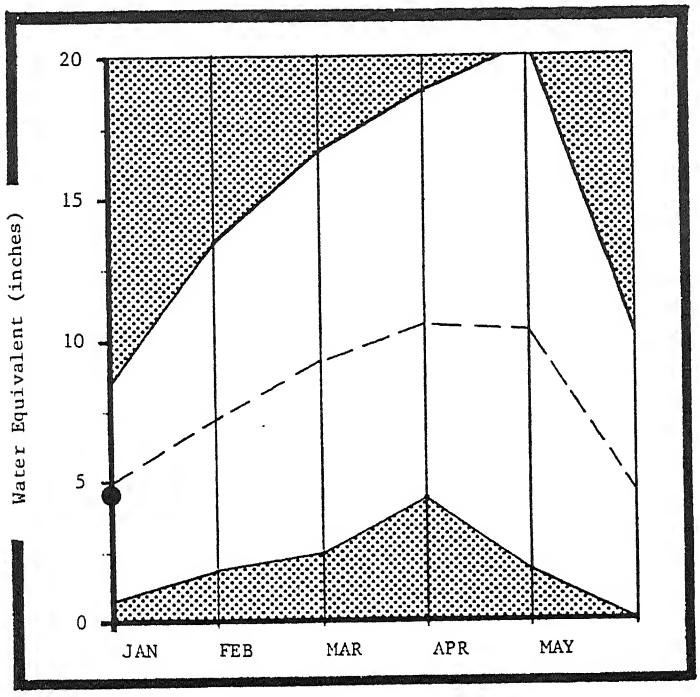
River Basin and/or Sub-Watershed	No. Snow Site	This Yr. Snow Water as Pct of Last Yr	Average
Wyoming)			

RESERVOIR STORAGE (Thousand Ac. Ft.)

Reservoir	Usable Capacity	Usable Storage This Year	Last Year	Ave.
- No Reservoirs -				

WIND RIVER BASIN

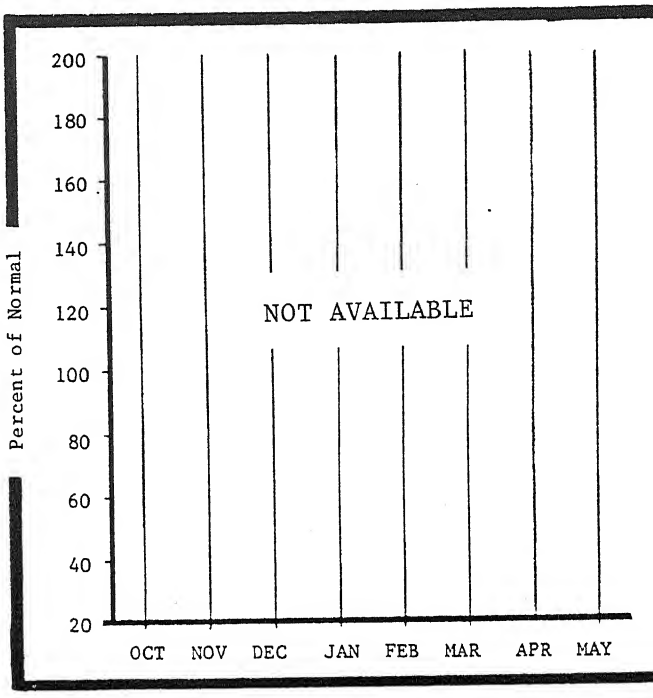
MOUNTAIN SNOWPACK*



*Based on selected stations

Maximum
Average
Minimum
Current

PRECIPITATION*



*Based on selected stations

Monthly precipitation
Year to date precipitation

WATER SUPPLY OUTLOOK:

Near normal snow conditions prevail in the Wind River Basin. Streamflows should be from 6% below to normal this runoff season. Reservoirs are also near average for January 1st.

WIND RIVER BASIN

STREAMFLOW FORECASTS

	THIS YEAR Forecast 1,000 Ac-Ft.	Pct. Ave.	Streamflow Forecast Period	PAST RECORD 1,000 Acre-Feet Last Yr.xx	Average +
WIND RIVER near Dubois	100	94	April-Sept.		106
WIND RIVER at Riverton (1)	645	95	April-Sept.		678
WIND RIVER below Boysen (2)	1,120	96	April-Sept.		1,163
BULL LAKE CREEK near Lenore (3)	185	98	April-Sept.		188
LITTLE POPO AGIE near Lander	53.0	100	April-Sept.		53

(1) Observed flow plus change in storage in Bull Lake, Pilot Butte Reservoir and diversion to Wyoming canal.
(2) Observed flow plus change in storage in Bull Lake, Pilot Butte Reservoir, and Boysen Reservoir; plus diversion to Wyoming canal.
(3) Observed flow plus change in storage in Bull Lake.
xx Measured flows for last year are U.S.G.S. provisional figures, subject to revision.
\+ Period of average 1961-1980.

SUMMARY of SNOW MEASUREMENTS

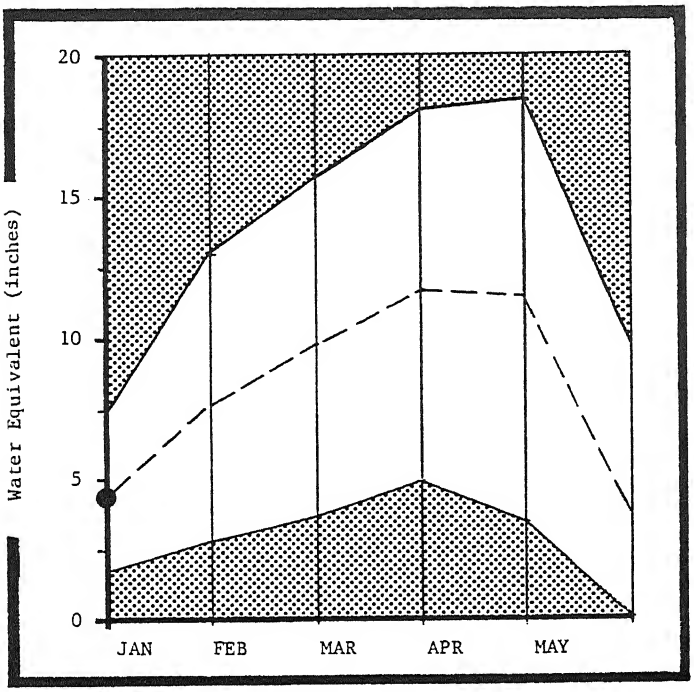
River Basin and/or Sub-Watershed	No. Snow Site	This Yr. Snow Water as Pct of Last Yr	Average
Upper Wind River	4	--	90
	2	--	105
above Boysen	11	--	98

RESERVOIR STORAGE (Thousand Ac. Ft.)

Reservoir	Usable Capacity	Usable Storage This Year	Last Year	Ave.
Bull Lake	151.8	90.4	106.3	98.0
Pilot Butte	31.6	23.7	19.3	12.6
Boysen	549.9	389.4	380.8	391.0

BIGHORN RIVER BASIN

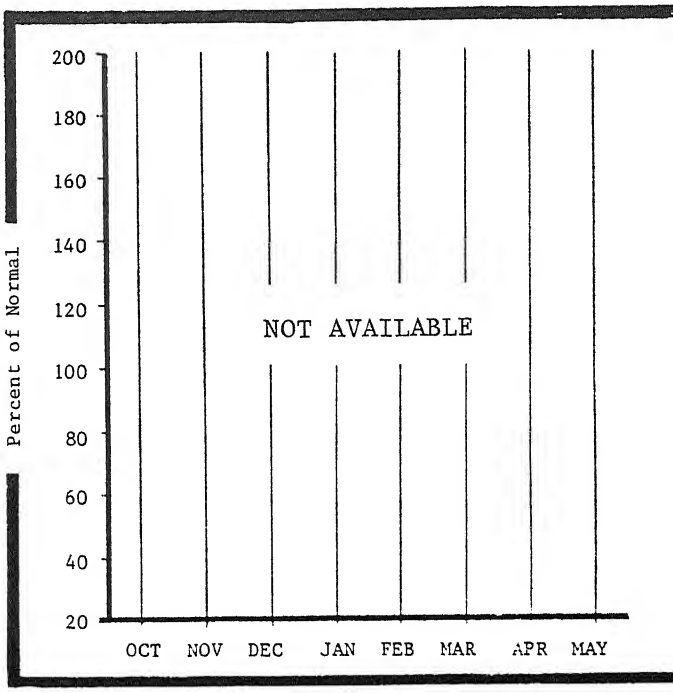
MOUNTAIN SNOWPACK*



*Based on selected stations

Maximum
Minimum
Average
Current

PRECIPITATION*



*Based on selected stations

Monthly precipitation
Year to date precipitation

WATER SUPPLY OUTLOOK:

Snowpacks average out a little above normal but there are notable below normal figures along the west slope of the Big Horn Mountains. Nowood drainage is lowest at 26% below average. Streamflows will follow a similar pattern this summer if the present trend continues. Reservoir storage is good to excellent.

BIGHORN RIVER BASIN

STREAMFLOW FORECASTS

	THIS YEAR Forecast		Streamflow Forecast	PAST RECORD 1,000 Acre-Feet	
	1,000 Ac-Ft.	Pct. Ave.	Period	Last Yr.xx	Average +
WIND RIVER below Boysen Reservoir (1)	1,120	96	April-Sept.		1,163
TENSLEEP CREEK near Tensleep	75.1	85e	April-Sept.		(Disc.)
MEDICINE LODGE CREEK near Hyattville	19.8	86e	April-Sept.		(Disc.)
SHELL CREEK near Shell	67.3	86	April-Sept.		78
GREYBULL RIVER at Meeteetse	215	100	April-Sept.		215
SHOSHONE RIVER below Buffalo Bill Dam (2)	850	101	April-Sept.		845
CLARK FORK near Belfry	575	92	April-Sept.		628
SOUTH FORK SHOSHONE RIVER near Valley	280	101	April-Sept.		278
NOWOOD RIVER near Tensleep	60.5	85	March-Sept.		71x

(1) Observed flow plus change in storage in Bull Lake, Pilot Butte, and Boysen Reservoir; plus diversion to Wyoming Canal.
(2) Observed flow plus change in storage in Buffalo Bill Reservoir and diversion to Hart Mountain Canal.
x Less than 20 year average.
xx Measured flows for last year are U.S.G.S. provisional figures, subject to revision.
+ Period of average 1961-1980.

SUMMARY of SNOW MEASUREMENTS

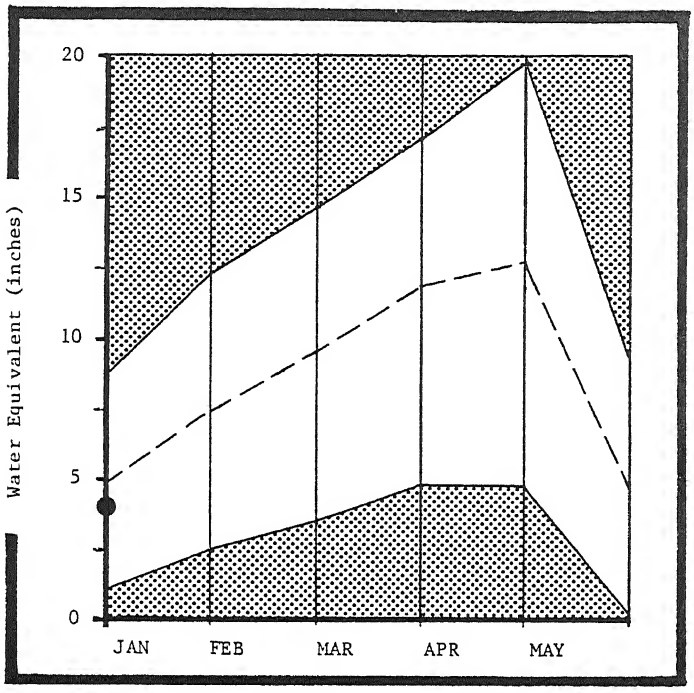
River Basin and/or Sub-Watershed	No. Snow Site	This Yr. Snow Water as Pct of Last Yr	This Yr. Snow Water as Pct of Average
Clark Fork			
Shoshone	3	129	116
Nowood	3	--	81
Shell	4	--	89
Greybull	-	--	--
Bighorn Basin(Boysen-Bighorn)	11	--	93

RESERVOIR STORAGE (Thousand Ac. Ft.)

Reservoir	Usable Capacity	Usable Storage This Year	Usable Storage Last Year	Usable Storage Ave.
Boysen	549.9	389.4	380.8	391.0
Buffalo Bill	373.1	268.4	280.4	203.0
Bighorn Lake	613.7	954.6	411.2	656.0

POWDER AND TONGUE RIVER BASINS

MOUNTAIN SNOWPACK*



*Based on selected stations

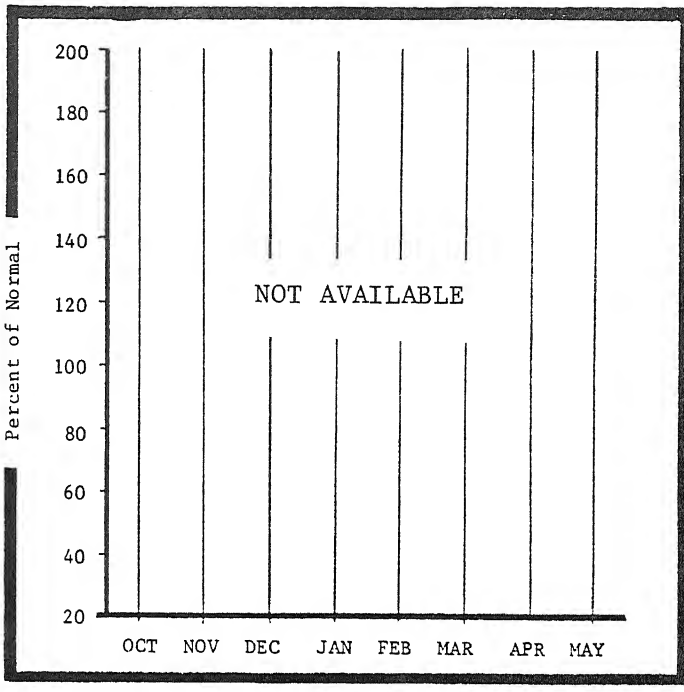
Maximum

Minimum

Average

Current

PRECIPITATION*



*Based on selected stations

Monthly precipitation

Year to date precipitation

WATER SUPPLY OUTLOOK:

Early season measurements of snowpack report lowest figures in state. East-face drainages feeding the Powder River are all well behind usual snowfalls, some as low as 40 below average. With over half of the snow season yet to come there is good opportunity for summer prospects of water supplies to improve.

POWDER AND TONGUE RIVER BASIN

STREAMFLOW FORECASTS

	THIS YEAR Forecast		Streamflow Forecast	PAST RECORD 1,000 Acre-Feet	
	1,000 Ac-Ft.	Pct. Ave.	Period	Last Yr.xx	Average +
TONGUE RIVER near Dayton (1)	118	96	April-Sept.		123
MIDDLE FORK POWDER RIVER near Barnum	19.9	95	April-Sept.		21.2
NORTH FORK POWDER RIVER near Hazelton	9.3	93	April-Sept.		10.6
CLEAR CREEK near Buffalo	36.3	93	April-Sept.		40.0
ROCK CREEK near Buffalo	23.0	92	April-Sept.		25.4
PINEY CREEK at Kearny	49.2	89	April-Sept.		54.8
LITTLE BIGHORN at Hardin, MT	169	93	April-Sept.		182

(1) Observed flow plus diversion to Highline Ditch. .

xx Measured flows for last year are U.S.G.S. provisional figures, subject to revision.

\+ Period of average 1961-1980.

SUMMARY of SNOW MEASUREMENTS

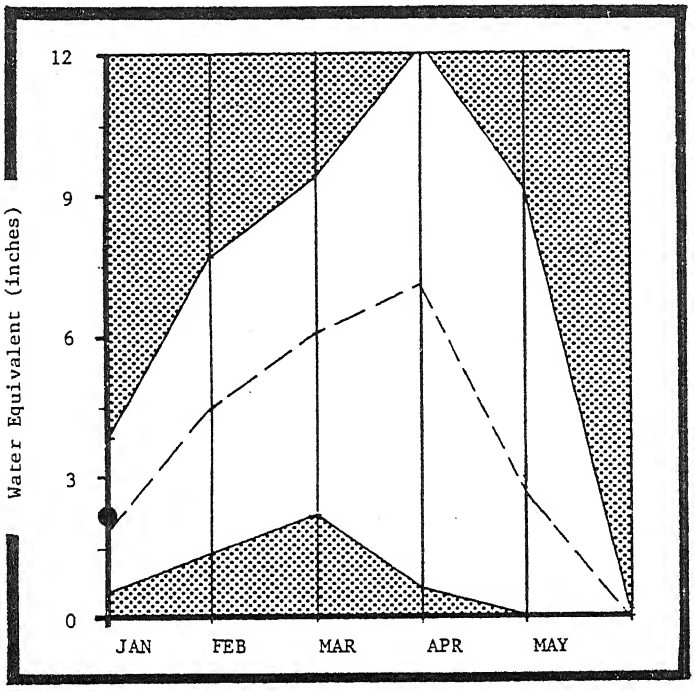
River Basin and/or ershed	No. Snow Site	This Yr. Snow Water as Pct of Last Yr	Average
	5	--	98
	2	--	95
	-	--	--
	-	--	--
	6	--	73

RESERVOIR STORAGE (Thousand Ac. Ft.)

Reservoir	Usable Capacity	Usable Storage This Year	Last Year	Ave.
- No Reservoirs -				

BELLE FOURCHE AND CHEYENNE RIVER BASINS

MOUNTAIN SNOWPACK*



*Based on selected stations

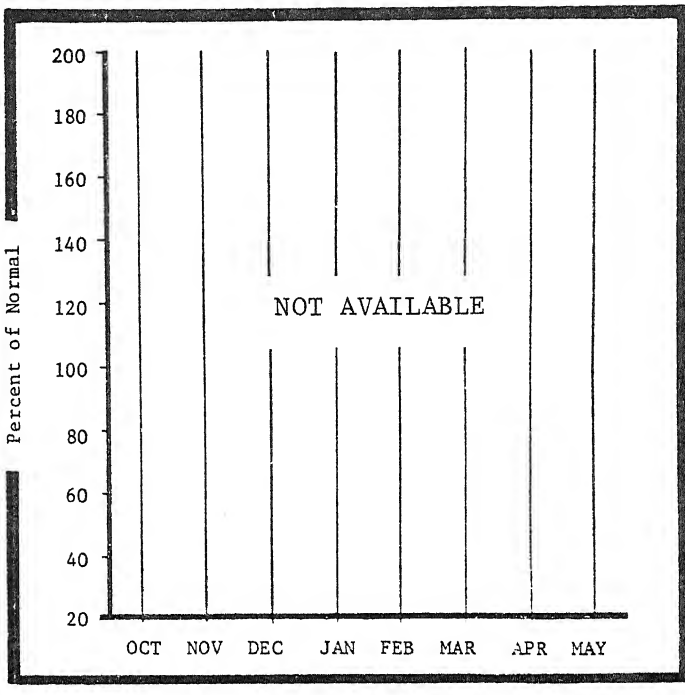
Maximum

Minimum

Average

Current

PRECIPITATION*



*Based on selected stations

Monthly precipitation

Year to date precipitation

WATER SUPPLY OUTLOOK:

Normal to above normal snowpacks and continued average weather patterns predict good streamflows this spring and summer.

BELLE FOURCHE AND CHEYENNE RIVER BASINS

STREAMFLOW FORECASTS

	THIS YEAR Forecast		Streamflow Forecast	PAST RECORD 1,000 Acre-Feet	
	1,000 Ac-Ft.	Pct. Ave.	Period	Last Yr.xx	Average +
- No forecasts issued in this area -					

SUMMARY of SNOW MEASUREMENTS

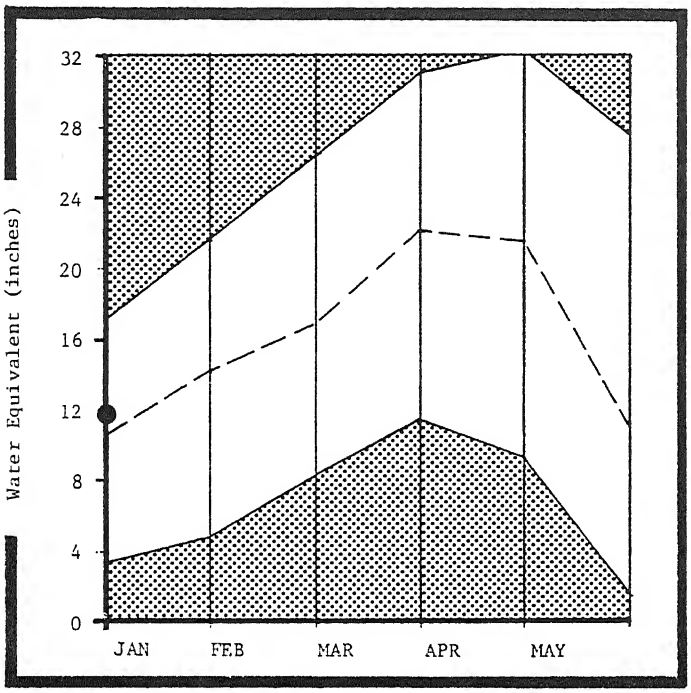
River Basin and/or Sub-Watershed	No. Snow Site	This Yr. Snow Water as Pct of Last Yr	This Yr. Snow Water as Pct of Average
Belle Fourche	1	--	110

RESERVOIR STORAGE (Thousand Ac. Ft.)

Reservoir	Usable Capacity	Usable Storage This Year	Usable Storage Last Year	Usable Storage Ave.
Keyhole	190.4	71.4	43.3	116.0
Belle Fourche	185.2	115.0	102.3	101.0
Angostura	86.2	50.4	56.4	--
Deerfield	15.1	14.5	8.5	--
Pactola	55.0	54.1	53.3	--
Shadehill	81.5	53.0	57.8	--

UPPER NORTH PLATTE AND LITTLE SNAKE RIVER BASINS

MOUNTAIN SNOWPACK*



*Based on selected stations

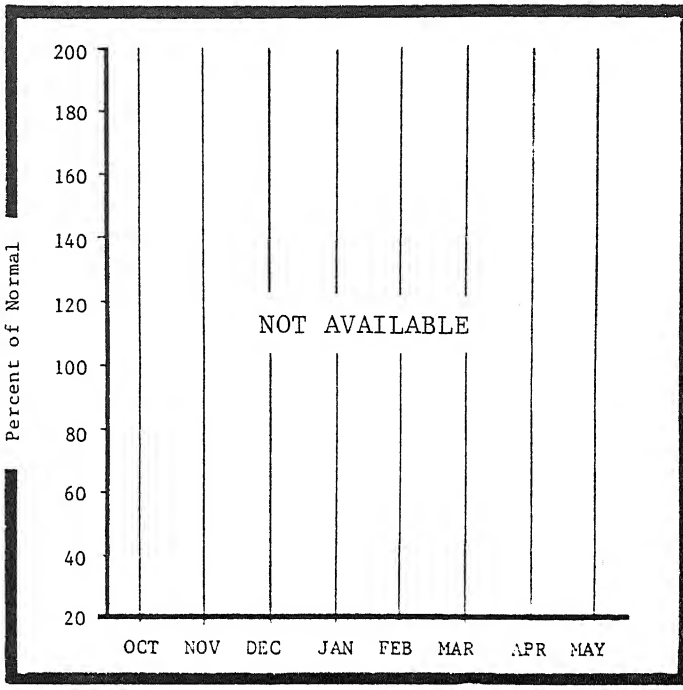
Maximum

Minimum

Average

Current

PRECIPITATION*



*Based on selected stations

Monthly precipitation

Year to date precipitation

WATER SUPPLY OUTLOOK:

Early season above normal snowpacks for the third season in a row mean normal to above normal streamflows into the North Platte system. With soil profiles full, base flows higher than normal, and reservoir[illegible] reservoir managers will be watchi[illegible] carefully.

UPPER NORTH PLATTE RIVER AND LITTLE SNAKE RIVER BASINS

STREAMFLOW FORECASTS

	THIS YEAR Forecast		Streamflow Forecast	PAST RECORD 1,000 Acre-Feet	
	1,000 Ac-Ft.	Pct. Ave.	Period	Last Yr.**	Average +
NORTH PLATTE RIVER near Northgate	275	105	April-Sept.		262
NORTH PLATTE RIVER near Sinclair	717	101	April-Sept.		710
ENCAMPMENT RIVER near Encampment	165	106	April-Sept.		156
ROCK CREEK near Arlington	59.7	103	April-Sept.		57.6
LITTLE SNAKE RIVER near Dixon (1)	355	111	April-Sept.		320
LITTLE SNAKE RIVER near Slater, CO (1)	172	109	April-Sept.		158

(1) Observed flow plus transbasin diversion.
** Measured flows for last year are U.S.G.S. provisional figures, subject to revision.
+ Period of average 1961-1980.

SUMMARY of SNOW MEASUREMENTS

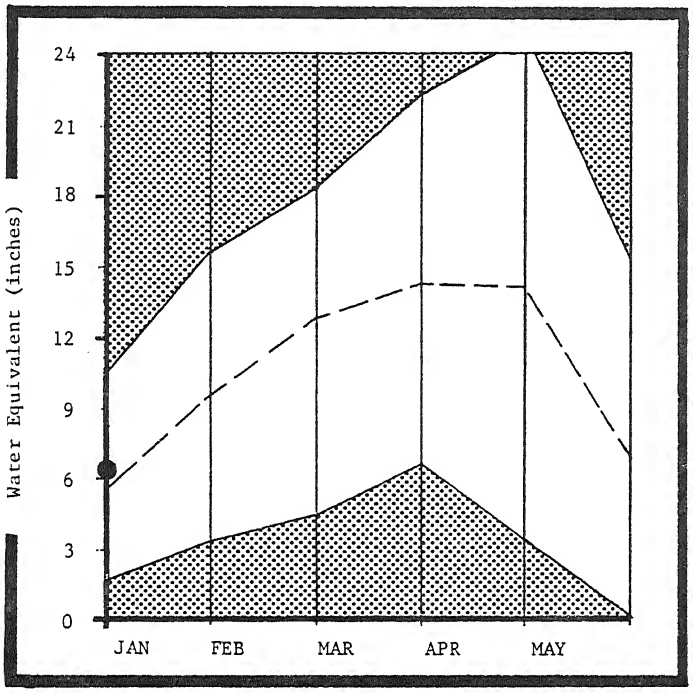
Basin Basis	This Yr. Snow as Pct. of

RESERVOIR STORAGE (Thousand Ac. Ft.)

Reservoir	Usable Capacity	Usable Storage This Year	Last Year	Ave.
Seminoe	1,017.3	867.8	833.5	536.0

LOWER NORTH PLATTE, SWEETWATER, AND LARAMIE RIVER BASINS

MOUNTAIN SNOWPACK*



*Based on selected stations

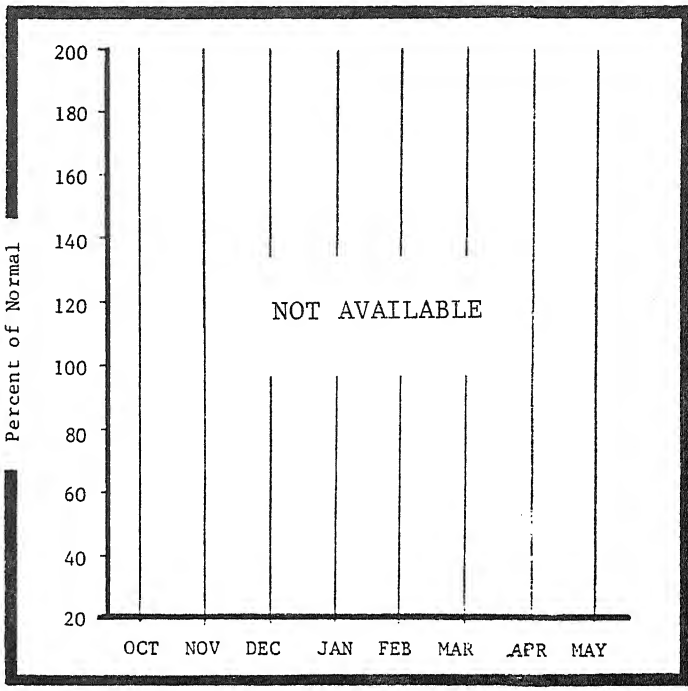
Maximum

Minimum

Average

Current

PRECIPITATION*



*Based on selected stations

Monthly precipitation

Year to date precipitation

WATER SUPPLY OUTLOOK:

Near normal streamflows are forecasted for this season. This is based on continued near normal snowpack accumulations in the lower tributaries of the North Platte River. Reservoirs are at 62% above normal for January 1st.

LOWER NORTH PLATTE RIVER WATERSHED

STREAMFLOW FORECASTS

	THIS YEAR Forecast		Streamflow Forecast	PAST RECORD 1,000 Acre-Feet	
	1,000 Ac-Ft.	Pct. Ave.	Period	Last Yr.xx	Average +
NORTH PLATTE RIVER near Sinclair	717	101	April-Sept.		710
SWEETWATER RIVER near Alcova	70.0	95	April-Sept.		73.7
DEER CREEK at Glenrock	44.1	100	March-July.		43.9
LaPRELE CREEK above Reservoir near Douglas	29.5	105	April-July.		28.2
LARAMIE RIVER & PIONEER CANAL near Woods	145	110	April-Sept.		132
LITTLE LARAMIE RIVER near Filmore	65.1	100	April-Sept.		65.1

(1) Observed flow plus transbasin diversions from North Platte River Basin to Cache La Poudre River Basin in Colorado.

xx Measured flows for last year are U.S.G.S. provisional figures, subject to revision.

\+ Period of average 1961-1980.

SUMMARY of SNOW MEASUREMENTS

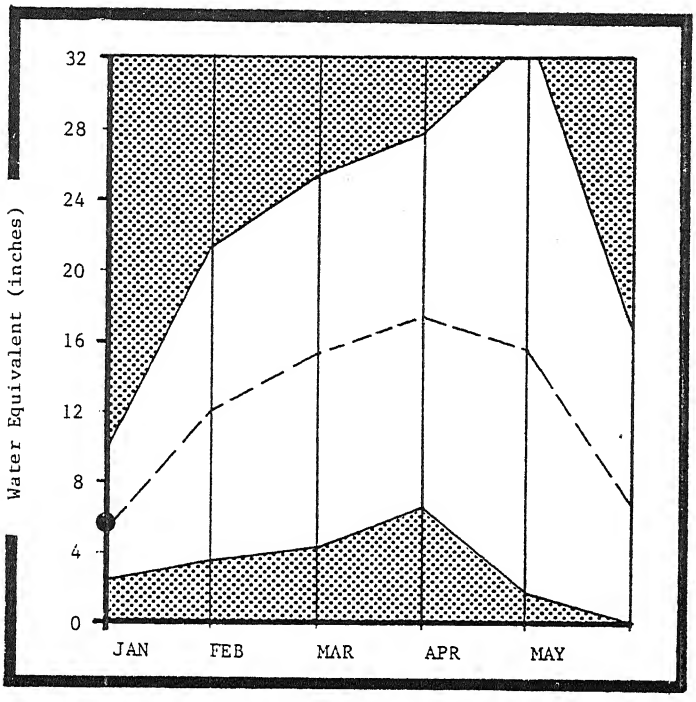
River Basin and/or Sub-Watershed	No. Snow Site	This Yr. Snow Water as Pct of Last Yr	This Yr. Snow Water as Pct of Average
	1	--	108
	3	--	104
	11	--	114
	2	--	106
	3	--	127
	5	--	108
Wyoming	15	--	113

RESERVOIR STORAGE (Thousand Ac. Ft.)

Reservoir	Usable Capacity	Usable Storage This Year	Usable Storage Last Year	Usable Storage Ave.
Seminoe	1,017.3	867.8	833.5	536.0
Pathfinder	1,015.5	849.9	882.2	488.0
Alcova	30.7	2.4	0.8	--
Glendo	783.7	76.3	331.6	--
Guernsey	45.2	0.2	2.1	5.2
Wheatland #2	98.9	72.0	66.1	--
PROJECT WATER				
North Platte Project	1,016.1	961.2	1040.1	--
Kendrick Project	1,201.6	1004.9	1172.0	--
Glendo Project Users	454.3	118.7	34.6	--

UPPER GREEN RIVER BASIN

MOUNTAIN SNOWPACK*



*Based on selected stations

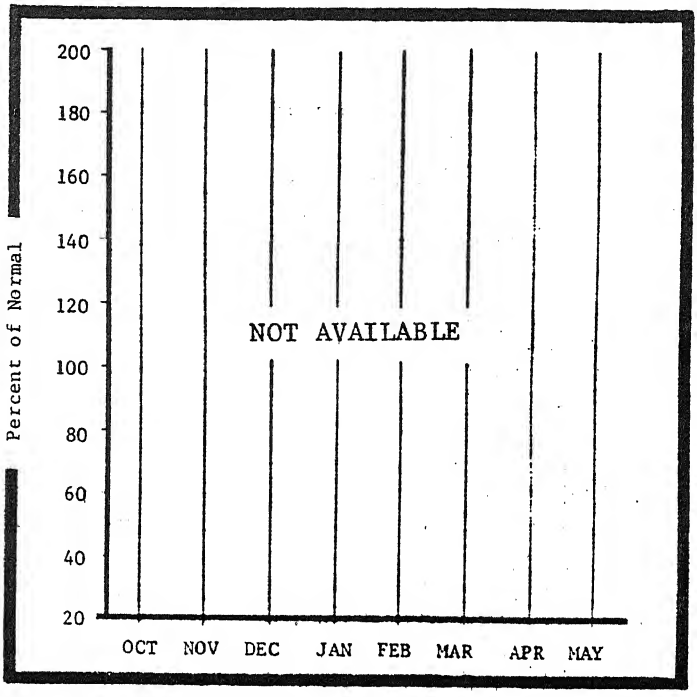
Maximum

Average

Minimum

Current

PRECIPITATION*



*Based on selected stations

Monthly precipitation

Year to date precipitation

WATER SUPPLY OUTLOOK:

Near normal snowpacks wer
casts of spring and summe
water.

UPPER GREEN RIVER BASIN

STREAMFLOW FORECASTS

	THIS YEAR Forecast		Streamflow Forecast	PAST RECORD 1,000 Acre-Feet	
	1,000 Ac-Ft.	Pct. Ave.	Period	Last Yr.**	Average +
GREEN RIVER at Warren Bridge	326	100	April-Sept.		326
FONTENELLE RESERVOIR INFLOW	900	104	April-Sept.		--
LaBARGE CREEK at LaBarge Meadows	9.3	104	April-Sept.		8.9
BIG SANDY near Big Sandy	65.0	107	April-Sept.		61.1

** Measured flows for last year are U.S.G.S. provisional figures, subject to revision.
+ Period of average 1961-1980.

SUMMARY of SNOW MEASUREMENTS

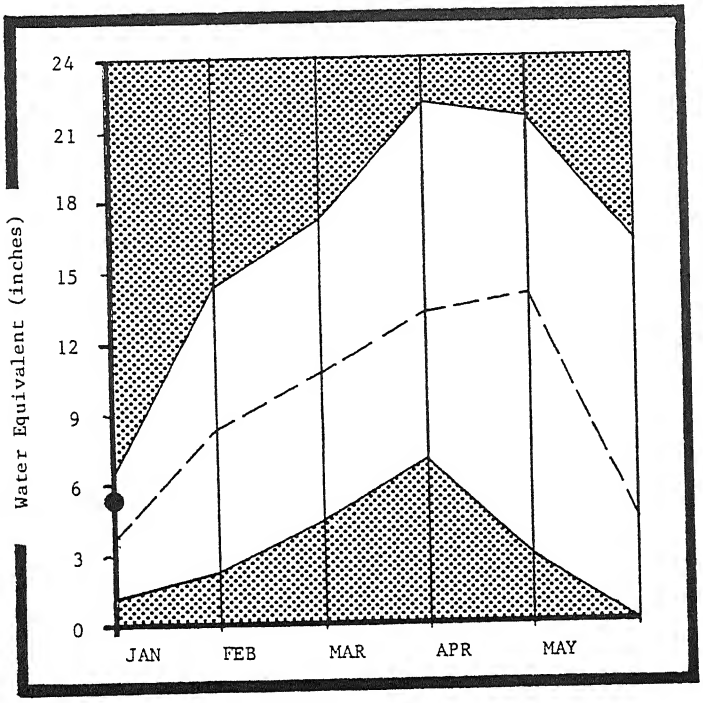
River Basin and/or Sub-Watershed	No. Snow Site	This Yr. Snow Water as Pct of Last Yr	This Yr. Snow Water as Pct of Average
Green River abv Warren Bridge	3	--	96

RESERVOIR STORAGE (Thousand Ac. Ft.)

Reservoir	Usable Capacity	Usable Storage This Year	Usable Storage Last Year	Usable Storage Ave.
Eden	11.8	--	--	--
Big Sandy	38.3	--	21.2	--
Fontenelle	344.8	172.3	159.3	--

LOWER GREEN RIVER BASIN

MOUNTAIN SNOWPACK*



*Based on selected stations

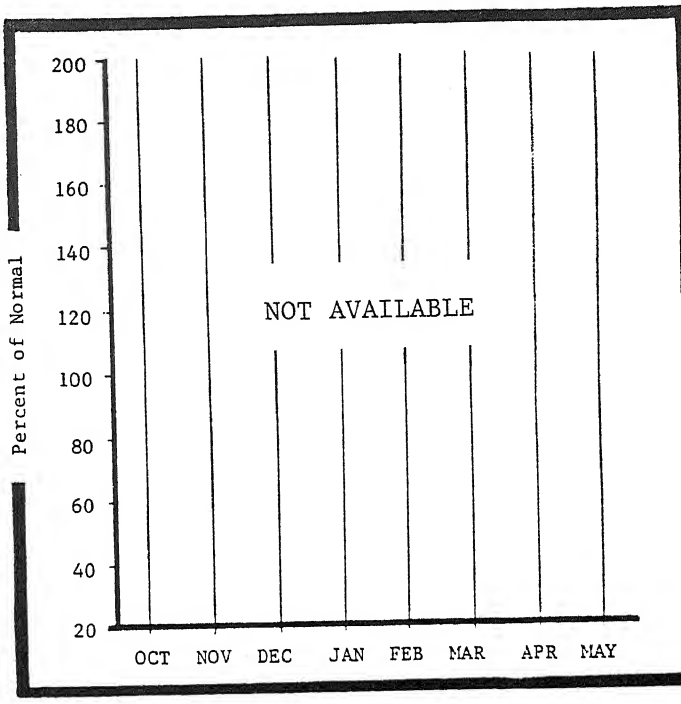
Maximum

Average

Minimum

Current

PRECIPITATION*



*Based on selected stations

Monthly precipitation

Year to date precipitation

WATER SUPPLY OUTLOOK:

Snowpacks in the Lower Green above Flaming Gorge are excellent, as high as 64% above normal. Streamflows are forecasted highest on the Black's Fork @19% above normal. Reservoir storage is very good also.

LOWER GREEN RIVER BASIN

STREAMFLOW FORECASTS

	THIS YEAR Forecast		Streamflow Forecast	PAST RECORD 1,000 Acre-Feet	
	1,000 Ac-Ft.	Pct. Ave.	Period	Last Yr.xx	Average +
FONTENELLE RESERVOIR INFLOW	900	104	April-Sept.		--
HAMS FORK below Pole Creek, near Frontier .	80.7	114	April-Sept.		71.3
GREEN RIVER near Green River (1)	1,120	104	April-Sept.		1079
BLACK FORK RIVER near Milburne	108	119	April-July		89.9
HENRY'S FORK RIVER near Linwood, UT	57	118	April-Sept.		48.0
FLAMING GORGE INFLOW (1)	1,400	112	April-Sept.		1,248

(1) Observed flow plus change in storage in Fontenelle Reservoir.
xx Measured flows for last year are U.S.G.S. provisional figures, subject to revision.
\+ Period of average 1961-1980.

SUMMARY of SNOW MEASUREMENTS

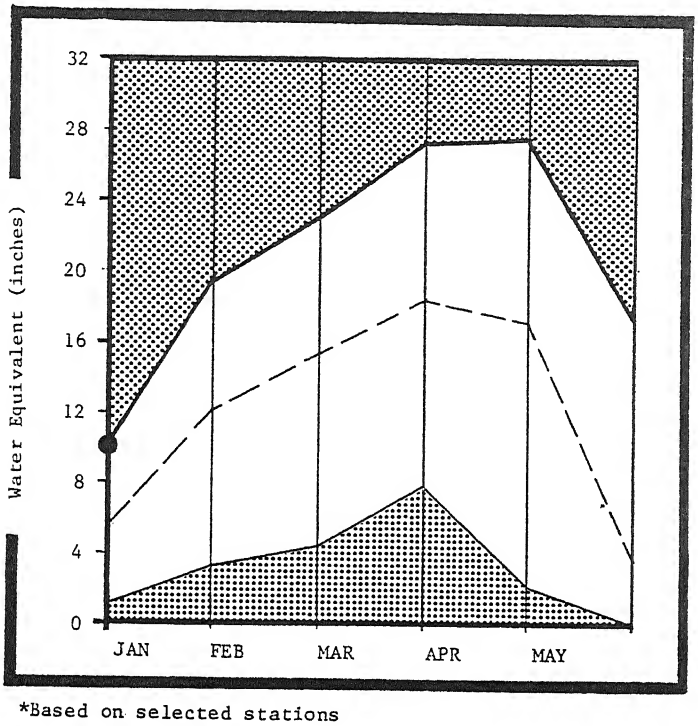
River Basin and/or Sub-Watershed	No. Snow Site	This Yr. Snow Water as Pct of Last Yr	Average
Hams Fork	4	--	116
Blacks Fork	-	--	--
Henry's Fork	-	--	--
Green River above Flaming G.	11	--	101

RESERVOIR STORAGE (Thousand Ac. Ft.)

Reservoir	Usable Capacity	Usable Storage This Year	Last Year	Ave.
Flaming Gorge	3,749.0	3373.0	3448.6	--
Viva Naughton	36.0	36.0	--	

UPPER BEAR RIVER BASIN

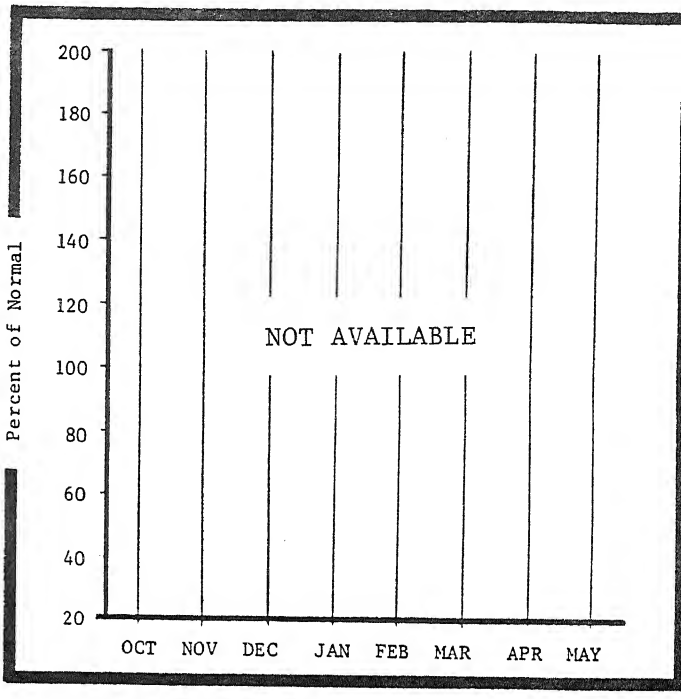
MOUNTAIN SNOWPACK*



*Based on selected stations

Maximum
Minimum
Average
Current

PRECIPITATION*



*Based on selected stations

Monthly precipitation
Year to date precipitation

WATER SUPPLY OUTLOOK:

Some snowpacks are very high (83% abov
early point in the snow season. With
snow accumulation, streamflows this
will be in the 27 to 54% above normal
following the trend of the last sever

BEAR RIVER BASIN

STREAMFLOW FORECASTS

	THIS YEAR Forecast		Streamflow Forecast	PAST RECORD 1,000 Acre-Feet	
	1,000 Ac-Ft.	Pct. Ave.	Period	Last Yr.xx	Average +
SMITHS FORK near Border	133	112	April-Sept.		119
THOMAS FORK near State Line	39.3	113	April-Sept.		34.8
BEAR RIVER at Utah-Wyoming State Line	140	127	April-July		110
BEAR RIVER near Woodruff	195	140	April-July		139
BEAR RIVER near Randolph	170	154	April-July		110

xx Measured flows for last year are U.S.G.S. provisional figures, subject to revision.
\+ Period of average 1961-1980.

SUMMARY of SNOW MEASUREMENTS

River Basin	No. Snow Site	This Yr. Snow Water as Pct of Last Yr	Average
...hed			
...iver	2	71	160

RESERVOIR STORAGE (Thousand Ac. Ft.)

Reservoir	Usable Capacity	Usable Storage This Year	Last Year	Ave.
Woodruff Narrows	55.8		47.8	

The Following Organizations Cooperate With The Soil Conservation Service In Snow Survey Work

State

- Conservation Districts of Wyoming
- State Engineer of Wyoming
- Department of Water Resources of Nebraska
- Irrigation Districts of Wyoming
- University of Wyoming
  - Department of Atmospheric Resources
  - Department of Agricultural Engineering

Federal

- U.S. Department of Agriculture
  - Soil Conservation Service
  - Forest Service
- U.S. Department of Commerce
  - NOAA, National Weather Service
- U.S. Department of Interior
  - Bureau of Reclamation
  - Geological Survey
  - National Park Service
  - Bureau of Indian Affairs
  - Bureau of Land Management

Private

- Utah Power and Light Company
- Eden Valley Irrigation District

Other organizations and individuals furnish information for the snow survey reports. Their cooperation is gratefully acknowledged.